

First Named Inventor	: Mark Covington	Group Art Unit: Examiner:
Appln. No.	:	
Filed	: Herewith	
Title	: SUPPRESSION OF THERMALLY ACTIVATED MAGNETIZATION FLUCTUATIONS IN MAGNETORESISTIVE ELEMENTS VIA SPIN MOMENTUM TRANSFER	
Docket No.	: I69.12-0553	

INFORMATION DISCLOSURE STATEMENT

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The enclosed PTO Form-1449 lists patents and publications submitted pursuant to 37 C.F.R. 1.97.

TIME OF FILING

The Information Disclosure Statement is being filed:

1. X with the application or within three months of the filing date of a national application (other than a continued prosecution application under 37 C.F.R. 1.53(d)) or date of entry into the national stage of an international application or, to the best of the undersigned's knowledge, before the mailing date of a first Office action on the merits or a first office action after the filing of a request for continued examination under 37 C.F.R. 1.114, whichever event occurs last. In accordance with 37 C.F.R. 1.97(b), no certification or fee is required.

2. after the time period specified in paragraph 1 above, but, to the best of the undersigned's knowledge, before the mailing date of a final action under 37 C.F.R. 1.113 or notice of allowance under 37 C.F.R. 1.311, or an action that otherwise closes prosecution of the application. In accordance with 37 C.F.R. 1.97(c), submitted herewith is:

(check either A or B below)

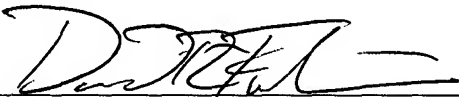
A. a statement as specified in 37 C.F.R. 1.97(e), no fee is required.

B. the fee set forth in 37 C.F.R. 1.17(p) for submission of an Information Disclosure Statement under 37 C.F.R. 1.97(c).

3. — after the mailing date of either a final action under 37 C.F.R. 1.113 or a Notice of Allowance under 37 C.F.R. 1.311, whichever occurs first, but on or before payment of the issue fee. Applicant petitions for consideration of this Information Disclosure Statement pursuant to 37 C.F.R. 1.97(d)(2). Applicant submits herewith:
- A. a statement as specified in 37 C.F.R. 1.97(e); and
 - B. the fee set forth in 37 C.F.R. 1.17(p).

Respectfully submitted,

KINNEY & LANGE, P.A.

By: 

David R. Fairbairn, Reg. No. 26,047
THE KINNEY & LANGE BUILDING
312 South Third Street
Minneapolis, MN 55415-1002
Telephone: (612) 339-1863
Fax: (612) 339-6580

DRF:PGK:mam

FORM PTO-1449	Atty. Docket No.: 169.12-0553	Application No.:
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Mark Covington	
	Filing Date: Herewith	Group Art:

U.S. PATENT DOCUMENTS

Examiner Initials	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
AA	US 6,363,007 B1	03-26-2002	Lu et al.
AB	US 6,256,223 B1	07-03-2001	Sun
AC	US 6,275,411 B1	08-14-2001	Daughton et al.
AD	6,021,065	02-01-2000	Daughton et al.
AE	6,130,814	10-10-2000	Sun
AF	6,147,900	11-14-2000	Pohm
AG	5,695,864	12-09-1997	Slonczewski
AH			
AI			
AJ			
AK			

FOREIGN PATENT DOCUMENTS

	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Translation Yes No
AL				
AM				
AN				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	V.L. Safonov and H.N. Bertram, Phys. Rev. B 65, 172417 (2002)
AP	N. Smith and P. Arnett, Appl. Phys. Lett. 78, 1448 (2001)
AQ	J.C. Slonczewski, J. Magn. Magn. Mater. 159, L1 (1996)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449	Atty. Docket No.: 169.12-0553	Application No.:
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor: Mark Covington	
	Filing Date: Herewith	Group Art:

U.S. PATENT DOCUMENTS

Examiner Initials	Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents
AA	US 6,363,007 B1	03-26-2002	Lu et al.
AB	US 6,256,223 B1	07-03-2001	Sun
AC	US 6,275,411 B1	08-14-2001	Daughton et al.
AD	6,021,065	02-01-2000	Daughton et al.
AE	6,130,814	10-10-2000	Sun
AF	6,147,900	11-14-2000	Pohm
AG	5,695,864	12-09-1997	Slonczewski
AH			
AI			
AJ			
AK			

FOREIGN PATENT DOCUMENTS

	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Translation Yes No
AL				
AM				
AN				

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	Thermal Magnetization Noise in a Thin Film, V.L. Safonov and H.N. Bertram, Phys. Rev. B 65, 172417 (2002)
AP	White-Noise Magnetization Fluctuations in Magnetoresistive Heads, N. Smith and P. Arnett, Appl. Phys. Lett. 78, 1448 (2001)
AQ	Current-Driven Excitation of Magnetic Multilayers, J.C. Slonczewski, J. Magn. Magn. Mater. 159, L1 (1996)

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.